

# BruxZir® Solid Zirconia



*Prescribe BruxZir Solid Zirconia restorations instead of metal occlusals and cast gold*

- ❖ Ideal for bruxers who have destroyed natural teeth or previous dental restorations
- ❖ An esthetic alternative to metal occlusal PFMs and cast gold crowns & bridges
- ❖ Conservatively prepare as thin as 0.5 mm with feather edge margins, much like you would cast gold

For more information,  
visit [www.bruxzir.com](http://www.bruxzir.com)



**GLIDEWELL  
LABORATORIES**

4141 MacArthur Blvd. • Newport Beach, CA 92660

**800-854-7256**

[www.glidewell dental.com](http://www.glidewell dental.com)

\*Price does not include round-trip overnight shipping (\$14 per box) (Contiguous U.S. only; shipping charge varies for Alaska, Hawaii and Puerto Rico.)

GL-2162-0811

**VIRTUALLY UNBREAKABLE CROWNS & BRIDGES**

## BruxZir®

Solid Zirconia

**\$99\***  
per unit

EXHIBIT 15  
WIT: Shuck  
DATE: 9-25-12  
L. Moskowitz, CSR 10816, RPR



**GLIDEWELL  
LABORATORIES**

*Premium Products - Outstanding Value*

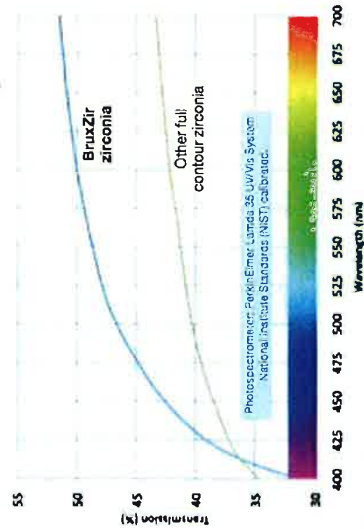
DESIGNATED TOP 100  
**TOP 100**  
PRODUCTS 2011

# BruxZir® Solid Zirconia is more brawn than beauty

## Scientific validation

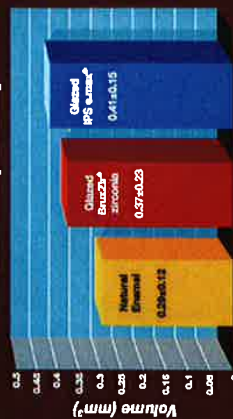
BruxZir Solid Zirconia crowns & bridges are made from the highest quality zirconia powder from Japan. We chemically and physically reprocess the powder to further reduce the zirconia particle sizes. BruxZir milling blanks are then created through a unique patent-pending process. Unlike conventional high-pressure milling blank manufacture, our processing gives BruxZir zirconia improved light transmission, which provides a lower, more natural shade value.

### Light Transmission vs. Wavelength



BruxZir zirconia exhibits higher light transmission, resulting in a more natural shade value.

### Wear Compatibility



In a recent study<sup>1</sup> to measure the volumetric loss of enamel, glazed BruxZir zirconia was found to wear compatible with enamel and virtually identical to glazed IPS e.max.

<sup>1</sup> Wear of Enamel on Polished and Glazed Zirconia. Shen S, Michelson C, Beck P, et al. 2010; Washington, DC: AADR Abstract #129615.

BruxZir is a registered trademark of Glidewell Laboratories. Ceramco is a registered trademark of DENTSPLY Ceramco. IPS e.max is a registered trademark of Ivoclar Vivadent.

### SEM of sintered isostatically pressed zirconia



### SEM of sintered, colloiddally processed BruxZir zirconia



The 50% smaller average grain size of BruxZir zirconia improves its physical properties.



BruxZir Solid Zirconia Crown



Gold Crown



Porcelain and Metal Crown



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*Virtually Unbreakable*  
**BruxZir®**  
Solid Zirconia Crowns & Bridges



GL-2165-1111

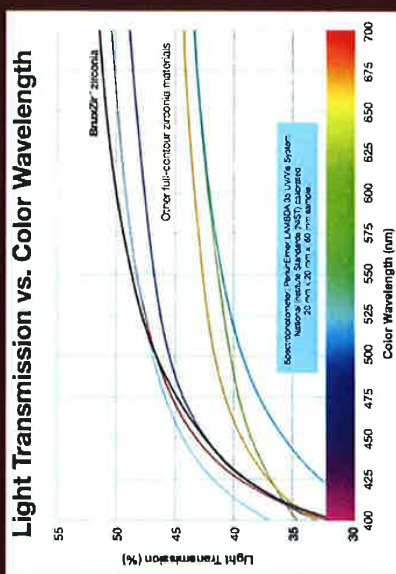
**BruxZir®** Solid Zirconia is more brawn than beauty

Scientific validation

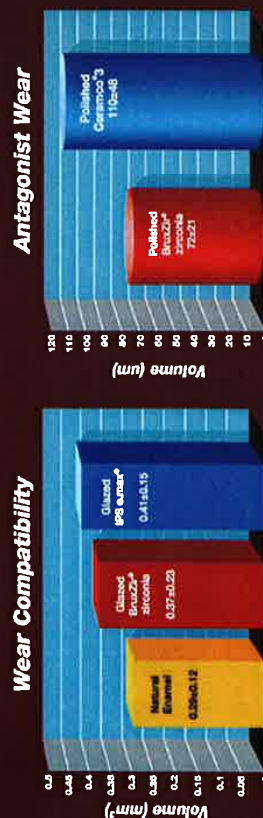
SEM of sintered

SEM of sintered, colloidal

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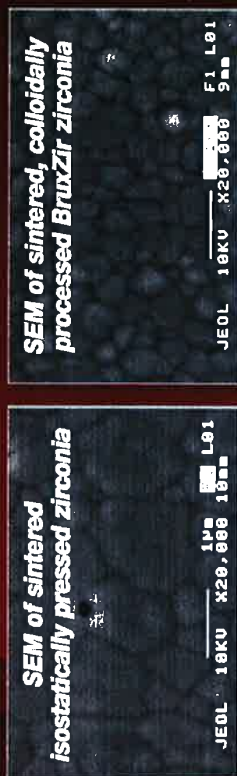
**BruxZir<sup>™</sup>** zirconia exhibits higher translucency in the warm color spectral wavelength (>550 nanometers), allowing for more natural-looking restorations.



In a recent study<sup>1</sup> to measure the volumetric loss of enamel, glazed BruxZir zirconia was found to wear compatible with enamel and virtually identical to glazed IPS e.max.

1.1. Wear of Enamel on Polished and Glazed Zirconia: Shah S, Michelson C, Beck P, et al. 2010; Washington, DC: AADR, Abstract #129515.

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**The 50% smaller average grain size of BruxZir zirconia improves its physical properties.**



BruxZir Solid Zirconia Crown



Gold Crown



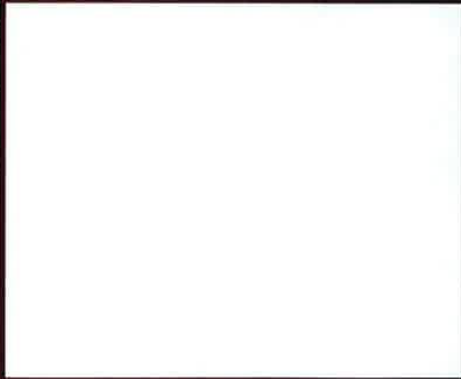
## Porcelain and Metal Crown



*Reasons to Consider*  
**BruxZir® Solid Zirconia**



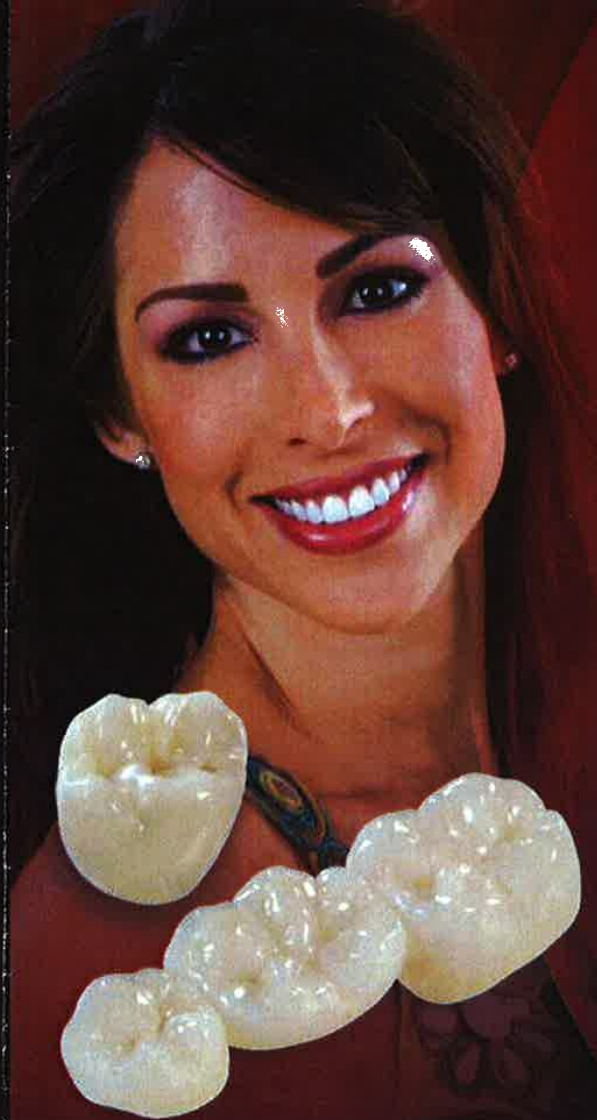
- ❖ BruxZir restorations are virtually chip-proof, making them ideal for bruxers who have destroyed natural teeth or previous restorations
- ❖ More esthetic than metal and full-cast gold crowns
- ❖ Zirconia has proven biocompatibility, having been used in medical implants



GL-2183-0811

**VIRTUALLY UNBREAKABLE CROWNS & BRIDGES**

**BruxZir®**  
*Solid Zirconia*



## High-Strength Crown Options

BruxZir Solid Zirconia is made from biocompatible, virtually unbreakable medical-grade zirconia — the same element used to reinforce bulletproof military armor. Because BruxZir restorations have no porcelain overlay, they are more resistant to chipping, cracking or breaking in the mouth. This makes BruxZir crowns & bridges ideal for bruxers and grinders, who have broken their natural teeth or porcelain restorations in the past.

Dentists have long relied on full-cast gold and porcelain metal crowns & bridges for long-term durability and strength. But with the introduction of BruxZir Solid Zirconia, an equally strong solution is now available. What's more, when compared side-by-side to full-cast gold and porcelain metal crowns, BruxZir restorations are the most natural-looking choice.

### Choose Your Preference



**BruxZir®**  
Solid Zirconia Crown



Full-Cast  
Gold Crown



Porcelain and  
Metal Crown

